

The roles of bound state in dark sectors

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There is a growing interest in studying dark sectors, which are only feebly coupled to the Standard Model sector, but could be strongly self-coupled. The potential existence of bound state in dark sectors, motivated by hints of strongly self-interacting dark matter, results in novel phenomenology. This talk discusses its applications in dark matter physics and beyond, as well as the methods developed to qualitatively study such dark bound states.

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